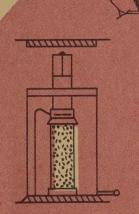


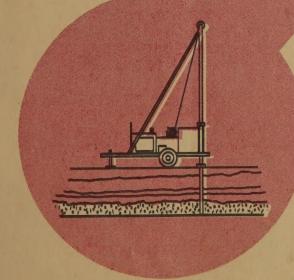
RAYMOND T. SCHULER, COMMISSIONER



SOIL MECHANICS
BUREAU

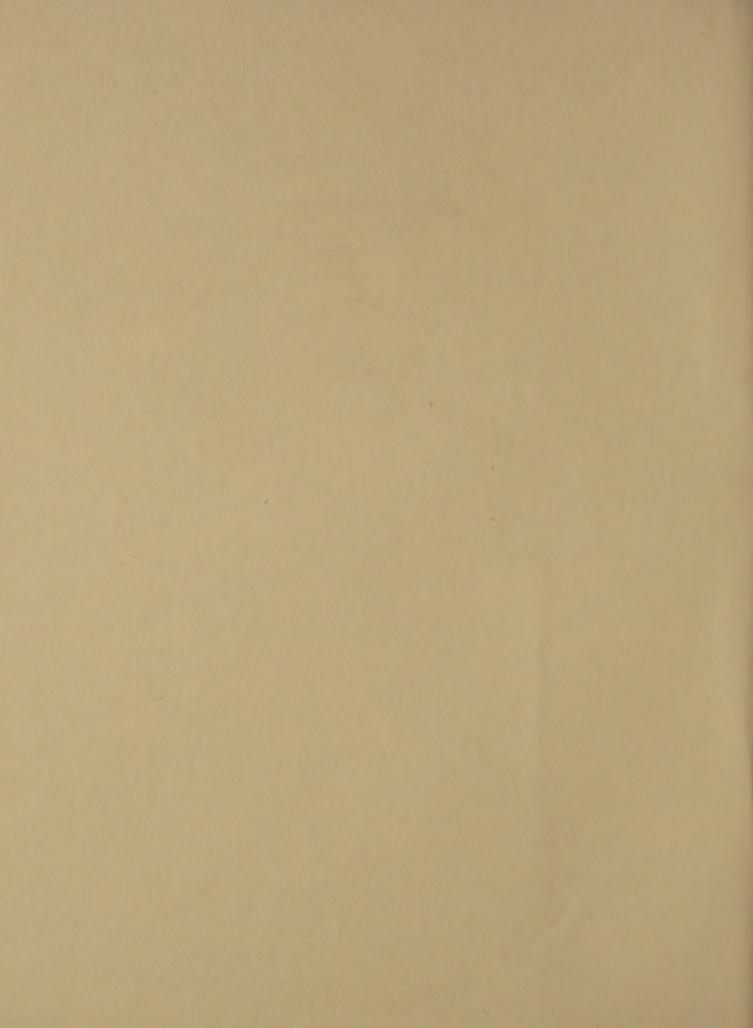






TEST WELL REPORT
PORPOSED COMFORT STATION
N.B. I-81; CENTRAL SQUARE
CONTRACT D95473
OSWEGO COUNTY
PIN: 3500.79.111

OCTOBER 7, 1977



October 24, 1977 DATE

PIN 3500.97-111, D95473 SUBJECT

NB REST AREA TEST WELLS, I-81

OSWEGO COUNTY

TO

L. H. Moore, Director, Soil Mechanics Bureau, Room 102, Bldg. 7 FROM

By: Edward M. Moody

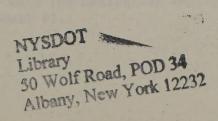
A. Ditton, Landscaping Bureau, Roop-408, Bldg. 5

J. M. Powers, Regional Director, Region 3 CC

J. Sternbach, Construction Subdivision, Room 423, Bldg. 5

Enclosed is a memorandum prepared by Mr. Robert Bazarnick, Assistant Engineering Geologist, from this Bureau. The memorandum describes the problem encountered and the procedures necessary for the progression of the contract. Also enclosed is the test well data.

EMM/EJL/SAS Encl.



DATE October 7, 1977

SUBJECT

PIN: 3500.79.111; D95473

N.B. REST AREA TEST WELLS, I-81

OSWEGO COUNTY

FROM

Robert J. Bazarnick, Assistant Engineering Geologist

TO Edward M. Moody, Associate Soils Engineer

On July 27, 1977, Mr. James Small, Region 3 Soils Engineer, contacted me by telephone and requested the aid of an Engineering Geologist from this Bureau to assist the E.I.C. of the subject project with problems that had arisen during the drilling of the first of the two wells.

On July 28, 1977, I arrived at the subject project and met with Mr. Steve Parry, Well Drilling Contractor, and Howard Wise, Project E.I.C. of Region 3. I was told that this well, designated as Well #2, had been drilled to a depth of 97 feet from the ground surface which is approximately 19 feet into rock. The well yielded 35 to 40 G.P.M. of water. However, the water had a high sulphur content as indicated by the strong sulphur smell and taste. I indicated to Mr. Wise and Mr. Parry that the construction of this well was contrary to the specifications set forth in the contract. The contract called for two wells drilled, screened and developed in the overburden.

At this time, I asked the driller to move his equipment from the site of Well #2 and set up on the site of Well #1 and proceed with the construction of the second well on this project. The Contractor agreed that drilling the second well at that time would be most beneficial in evaluating the construction of the first well.

The Contractor mobilized his equipment on the site of Well #1 on the afternoon of July 28, 1977, and construction of this well proceeded through the afternoon of July 29, 1977. Samples of the overburden material were taken every five (5) feet or where material characteristics changed to a total depth of 61 feet from the ground surface. I took the samples from Well #1 and the samples from Well #2 to the Region 3 Soils Laboratory in Syracuse where Mr. Small conducted sieve analyses on the samples. I then plotted the analyses as cumulative percent retained by each sieve size in order to ascertain the correct well screen slot size.

Mr. Frank Irving, Associate Engineering Geologist for this Bureau, and I analyzed this data and decided that Well #1 would best be completed by using 10 feet of #8 slot screen placed from 61-52 feet from the ground surface.

I contacted Mr. Wise, Project E.I.C., on August 2, 1977, and asked him to forward our screen size recommendations to the Contractor. Mr. Wise told me that he would contact me when the Contractor received the screen and was ready to install it in Well #1.

STREET, ST. STREET, ST.

Solver J. Brownston, Audiensel Definerring Conterest

on hard the transport of the first to the product of the product of the transport of the third the contract of the product of the product of the product of the product of the contract of the product of the contract of the

on July 10, 1877, I arrived as the subject project out with the last on the subject out of the subject of the s

to aris not count towardbys ald even or railing and being I said with an an analysis of the said with the said of the said and the said th

The Community of Late 19, 1977, and construction of this well or constructed of the well constructed of this well constructed of the well-constructed of the constructed of the construc

If her characteristics and managed property depoints for this forces, and by surfaced by completed by depoint from the characteristics and managed by completed by surfaced by complete the characteristics and managed by the characteristics and managed by the characteristics and the characterist

I concepted Mr. When Ireduce E.S.S., on August 2, 1937, and mired blat to Inches and a control of the Control o

Edward M. Moody October 7, 1977 Page 2

On August 9, 1977, Mr. Wise phoned me and said that the Contractor had received the screen as recommended and was ready to install it on the following day.

On August 10, 1977, I returned to the subject project. The Contractor placed the 10 foot length of #8 slot screen in the well and pulled the casing back so the bottom of the casing was 52 feet from ground surface. This exposed nine (9) feet of the screen from 61 to 52 feet from the ground surface. The lead packer was swedged tight to the casing and the Contractor began developing the well by alternately surging above the well casing and bailing the sand from the well screen. Development on Well #1 proceeded through August 17, 1977, when very little could be drawn through the screen during the surging and bailing process. This well was disinfected with two (2) gallons of chlorine bleach on August 18, 1977 so that proper testing and sampling could be conducted. The step drawdown test was conducted on August 25, 1977, by the Contractor. I told the Contractor that according to the grain size distribution of the samples taken from Well #2, a 10 foot long, #8 slot screen could also be used on Well #2. The Contractor agreed with the recommendation and ordered the screen.

On August 18 and 19, 1977, the Contractor attempted to pull back the casing on Well #2 so that the screen could be placed from 69 to 61 feet from the ground surface when it arrived. On the afternoon of August 19, 1977, the well casing broke 38 feet from the ground surface and the Contractor retrieved the top 40 feet of casing. I advised the Contractor to abandon Well #2 and move about 10 feet to the south of that site and construct a third well, Well #2-A, to a total depth of 69 feet and place the screen that he had ordered in that well from 69 to 61 feet from the ground surface.

On August 29, 1977, I returned to the subject project upon the request of Mr. Wise, Project E.I.C. The screen had been placed in Well #2-A from 69.5 to 61.9 feet from ground surface and the well had been developed and he was ready to chlorinate it for testing and sampling.

One of the two pumps that were used to test Well #1 was removed from that well and placed in Well #2-A. However, the Contractor could not remove the second pump which was placed at the bottom of the screen in Well #1. Mr. Wise and I assisted the Contractor in removing this pump from Well #1. After the pump was removed, the Contractor measured the depth of the well and found there was seven (7) feet of sand within the well screen.

The Contractor remobilized his drilling equipment on the site of Well #1 and bailed out the sand from within the well screen. The sand contained an abundance of grass, moss and other organic materials which indicated that someone put the sand into the well during the weekend of August 27, 28, 1977. Well #1 was chlorinated again so that samples could be taken from this well also.

On Anguat S. 1977, Mr. Man placed on and said that the Contractor had received the screen as resugnabled and was county to learned to us the full-sained day.

District of the 10 for temperature of the story errors in the collect the coll

On August 25, 1977, T vacuumed to the authors project upon the true of the form the View of the placed to tovi 27-5 from 50.5 to 51,9 feet 59.5 from the size from the size of the view that the confine and the view that the confine of augusting of augusting.

the of the cas page that the north and the cast of the second of the state of the second of the sell and second of the sell and second of the second of the

The Contractor resubilized him deall on equipment on the site of well disand belief out the cast from which the cold server. The send convided an abundance of green, soon and other squale serverials which indicated the equipment put the send from the well invite the westend of August 17, 26, 1977; Well 21 was chief test opain on that send on equipment from this well when. Edward M. Moody October 7, 1977 Page 3

On August 31, 1977, water samples were taken from both wells and these samples were taken to the New York State Department of Health Laboratory in Syracuse for analysis on September 1, 1977. However, a lab technician at that Health Department facility was unfamiliar with the sampling procedure and destroyed the samples.

The Contractor remobilized on the site of the subject project at the request of Mr. Howard Wise, E.I.C., on September 6, 1977. The Contractor reopened, resampled and resealed the two wells during that day. The samples were again taken to the New York State Department of Health Laboratory in Syracuse on September 6, 1977. This time they were accepted for analysis.

Due to the results of the pump tests, this Bureau recommends the following pump settings and pumping rates for the two wells:

Well #1 -- Pump setting 52 ft. from ground surface Pumping rate 15 G.P.M.

Well #2A -- Pump setting 61 feet from ground surface Pumping rate 20 G.P.M.

The logs of both completed wells, and the pump test results; and the bacteriological, chemical and physical analyses results are attached to this report.

RJB:sd Attachments The logs of lock completed wells, and the pury test results; and the backeriological, chemical and physical analyses results on extended to this resurt.

CHARLE OF LA

Dept. of Transportation Soil Mechanics Bures TEST WELL LOG	au Gr. Elev. Unknown
	au Gr. Elev. Unknown
TEST WELL LOG	
	Location NB 825+08
	Rt 335'
s Interstate Route 505	
tion. Date Sta	art August 19, 1977
	nish August 29, 1977
	tor Steve Parry
	Steve Parry
	or Robert Bazarnick
Pia Tun	Cobla
kig Type	e dante
	Wall Data
. Uolo Di	Well Data
Casing I	Length 64.0 feet
	Above Ground 2 feet
Screen	Type 10 foot-8 slot stainless
	Setting 69.5 - 61.9 ft.
	Pack No
	No.
	. 00 1
	ment 33 hours - surge and bail
method	

	Test Data
	Depth to Water 35.7
Pump Set	tting 68 feet from ground
Pumping	Rate 5 - 21 GPM
	1 Duration 8/31/77 - 12 hrs.
Specific	Capacity 1.7 GPM/Ft.
	Recommendations
	tting 61 ft. from ground
Pumping	Rate 20 GPM
Remarks	
•	
•	
•	
	Date Fin Contract Driller EIC How Inspect Rig Type Hole Dia Final De Casing Casing Casing Screen Sc



lequesting	The state of the s	Dept. of Trai Soil Mechan: TEST WE	ics Bureau LL LOG	Test Well No. 1 Gr. Elev. Unknown Location NB 825+00 Rt. 235
Depth, ft.	Description	n .	Date Finish	July 28, 1977 August 17, 1977
0			Contractor Driller St EIC Howard Inspector	eve Parry Wise Robert Bazarnick
10			Rig Type	
-	SAND WITH SOME SII	LT .	Hole Diam Final Depth Casing Diam	61 feet . 6 inches
20	•		Screen Type	e Ground 2 feet 10 foot-#8 slot stainless ing 61 - 52 feet
30 -			Grout No Development	39 hours - surge and bail
40		•	method.	
50	·		Static Depth Pump Setting Pumping Rate Date and Dur	Test Data h to Water 36 ft. 6 inches g 60 feet from ground e 5.0 - 18.5 GPM ration 8/23/77 - 12 hrs. pacity 1.4 GPM/Ft.
60 -	SAND, SOME GRAVEL AND	SILT		Recommendations g 52 ft. from ground
	BOTTOM OF WELL	•	Remarks	
70 -				



New York State Department of Transportation Soil Mechanics Bureau

CONSTANT RATE PUMP TEST

Project: N.B. Rest Area Test Wells -- Interstate Route 505

Region 3; County Oswego; PIN 3500.79.111

Date 8/31/77; Time Started 8:00 AM; Pumping Rate 5-21 GPM

Pump Intake 68 below ground surface; Water temp. Unknown

Weather: Sunny

390

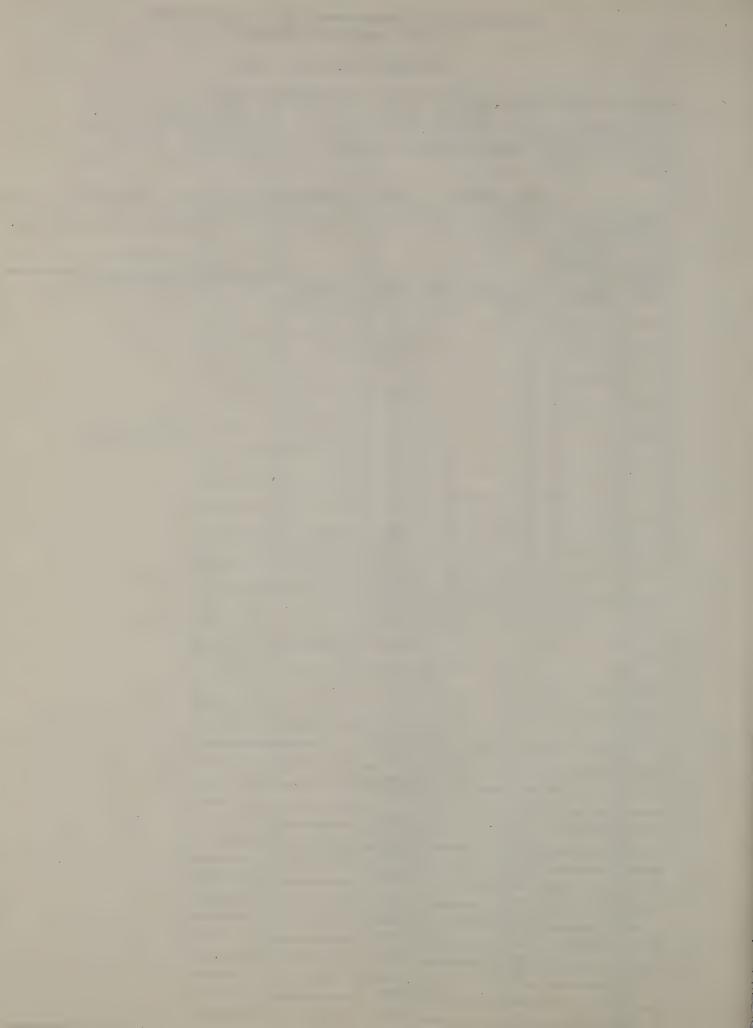
9.7

	_Test Well	Observation Wells	
Hole No.	#2-A	NONE	
Ground Elev.	35.7		
Static level			
below ground Finished			
Time (min.)	Drawdown	(from static level)	
5	3.1	5 GPM	
10	3.1	5 GPM	
15	3.1	5 GPM	
20	3.1	5 GPM	
25	3.1	5 GPM	
30	3.1	5 GPM	
* 35	2.7	5 GPM	*Mor
40	2.7	5 GPM	fro
45	2.7	5 GPM	
50	2.7	5 GPM	
55	2.7	5 GPM	
60	2.7	5 GPM .	
75	2.7	5 GPM	
90	2.7	5 GPM	
105	2.7	5 GPM	
120	2.7	5 GPM	
135	2.7	5 GPM	
150	2.7	5 GPM	
165	7.2	10 GPM	
180	7.2	10 GPM	
195	7.2	10 GPM	
210	7.2	10 GPM .	
225	7.2	10 GPM	
240	7.2	10 GPM	
270	7.2	10 GPM	
285	7.2	10 GPM	
300	10.0	15 GPM	
305	9.7	15 GPM	
310	9.7	15 GPM	
315	9.7	15 GPM	
320	9.7	15 GPM	
\$25)	9.7	15 GPM	
330	9.7	15 GPM	
345	9.7	15 GPM	
360	9.7	15 GPM	
375	9.7	15 GPM	
300	0.7	15 CDM	

15 GPM

*Moved outlet to 125' from the well

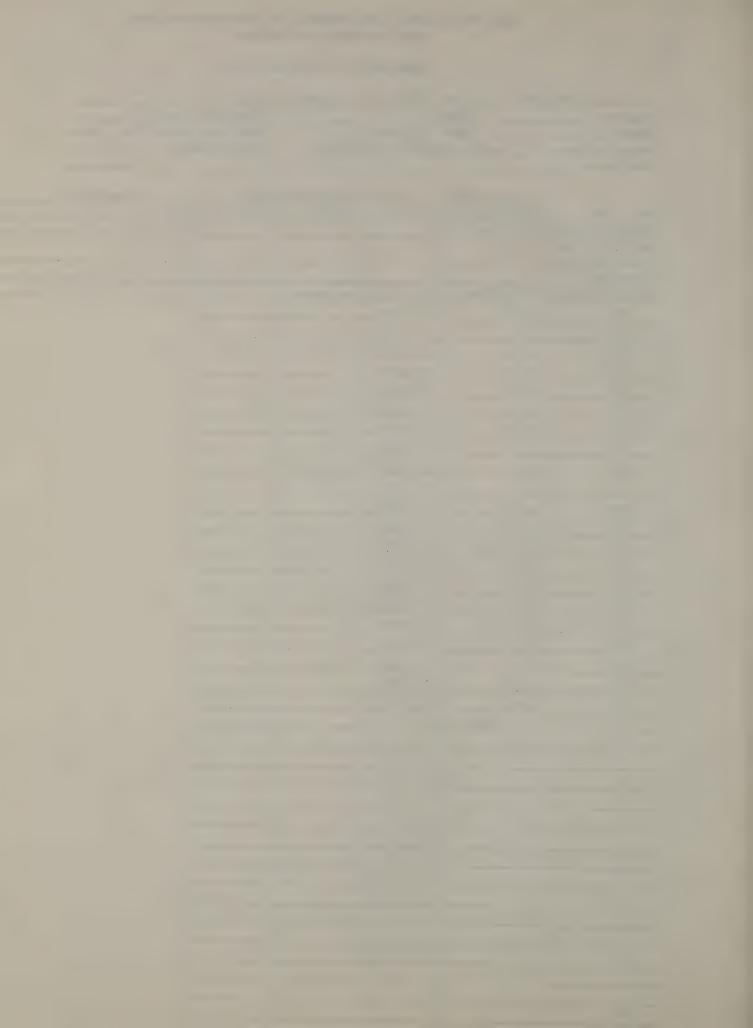
Remarks



New York State Department of Transportation Soil Mechanics Bureau

CONSTANT RATE PUMP TEST

Project: NB	Rest Area Tes	st Wells	Interstate	505	
Region					79.111
Date	; Time	e Started	Pumping	Rate 5-21 GPM	
Pump Intake	below ground surface; Water 1				mp.
Weather:	•				
	_Test Well	Obse	viindian U	-11-	1 5
Hole No.	#2-A cont.d		NONE		Remarks
Ground Elev.	Unknown		NONE		
Static level					
below ground	35.7				
Finished Time (min.)	Drawdown	(from stat	in lours	1	
405	9.7		TC Tevel		
420	9.7	15 GPM			
425	11.5	15 GPM			•
430	11.5	21 GPM			
435	11.5	21 GPM 21 GPM			
450	11.5	21 GPM			
465	11.5	21 GPM			
480	12.2				•
485	12.2	21 GPM			
		21 GPM			
490 495	12.2	21 GPM			
510	12.2	21 GPM			
525	12.2	21 GPM			
540		21 GPM			
	12.2	21 GPM			
570	12.2	21 GPM			
600	12.2	21 GPM			
630	12.2	21 GPM			
660	12.2	21 GPM			
690	12.2	21 GPM			
720	12.2	21 GPM			
735	12.2	21 GPM			
	END TES	T			
4					
					•
•					
					1



New York State Department of Transportation Soil Mechanics Bureau

CONSTANT RATE PUMP TEST

Project: N.B. Rest Area Test Wells -- Interstate Route 505

Region 3; County Oswego; PIN 3500.79.111

Date 8/23/77; Time Started 8:00 AM; Pumping Rate 5-18.5 GPM

Pump Intake 60' below ground surface; Water temp. Unknown

Weather: Sunny

Weather: Suni	.Iy		ran tu utap siminipalika diasan matiku usi ti fililika diasa		
	Test Well	Obs	ervation W		Remarks
Hole No.	#1		NONE		
Ground Elev.	Unknown				
Static level below ground					
Finished	30.0	1		+	
Time (min.)	Drawdown.	(from sta	tic level)		
5	0	5 GPM			
10	3.2	5 GPM			
15	3.2	5 GPM			
20	3.2	5 GPM		·	
25	5.3	8 GPM			
30	5.3	8 GPM			
35	5.3	8 GPM			•
40	5.3	8 GPM			
50	7.3	11 GPM			
55	7.3	11 GPM			
60	7.3	11 GPM			
65	7.3	11 GPM			
70	7.3	11 GPM			
75	8.3	13 GPM			
80	8.3	13 GPM			
85 .	8.3	13 GPM			
90	8.3	13 GPM			
95	8.3	13 GPM			
100	8.3	13 GPM			
105	8.3	13 GPM			
110	10.3	15 GPM			
115	10.3	15 GPM			
120	10.3	15 GPM			
*125	10.5	15 GPM			* Moved outlet from
130	10.7	15 GPM			60' to 160' from
135	10.7	15 GPM			the well
140	10.7	15° GPM			. ,
145	10.7	15 GPM			
150	10.7	15 GPM			
155	10.7	15 GPM			
160	10.7	15 GPM			
165	10.7	15 GPM			
180	10.7	15 GPM			
195	10.7	15 GPM			
210	12.0	17 GPM			
215	12.0	17 GPM			
225	12.0	17 GPM			



RESULTS OF EXAMINATION (PAGE 2 OF 2)

AB ACCESSION NO: 02800 YR/MO/DAY/HR SAMPLE REC'D: 77/09/06/13

REPORTING LAB: 33 SYRACUSE LAB

PROGRAM: 820 NYS DEPT, OF TRANSP.

BTATION (SOURCE) NO:

PRAINAGE BASIN:

NY GAZETTEER NO: 3756 COUNTY: OSWEGO

COMMON NAME INCL SUBW'SHED: REST AREA N. OF CENTRAL SQUARE, RT. 81

EXACT SAMPLING POINT: WELL 1=NEW DOT

TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL,

40/DAY/HR OF SAMPLING: FROM 00/00 TO 09/06/12

REPORT SENT TO: CO (1) RO (2) LPHE (2) LHO (0) FED (0) CHEM (0)

PARAMETER UNIT RESULT NOTATION

100401 C.O.D. MG/L 4.

100401 FLUORIDE, FREE MG/L 0.2

MATE COMPLETED: 10/03/77

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES NYS DEPT, OF TRANSPORTATION, BLDG, 7A 1220 WASHINGTON AVENUE ALBANY, N.Y. 12226



RESULTS OF EXAMINATION
(PAGE 1 OF 2)

LAB ACCESSION NO: 02800 YR/MO/DAY/HR SAMPLE RECID: 77/09/06/13

REPORTING LAB: 33 SYRACUSE LAB

PROGRAM: 820 NYS DEPT. OF TRANSP.

STATION (SOURCE) NO:

DRAINAGE BASIN: NY GAZETTEER NO: 3756 COUNTY: OSWEGO

COORDINATES: DEG ! "N, DEG ! "W

COMMON NAME INCL SUBW'SHED: REST AREA N. OF CENTRAL SQUARE, RT. 81

EXACT SAMPLING POINT: WELL 1=NEW DOT

TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.

MO/DAY/HR OF SAMPLING: FROM 00/00-TO 09/06/12

REPORT SENT TO: CO (1) RO (2) LPHE (2) LHO (0) FED (0) CHEM (0)

PARAMETER		UNIT	RESULT	NOTATION	
309701	CADMIUM	MG/L	0.002	LT	
309801	CHROMIUM	MG/L	0.01	- LT	
310101	LEAD	MG/L	0, 01	LT	
010001	IRON	MG/L	0.12		
1010201	MANGANESE	MG/L	0.12		
000100	COLOR (APPARENT)		4.		
1001900	PH (LABORATORY)		7.3		
001101	HARDNESS, TOTAL AS CACO3	MG/L	124.		
001001	CHLORIDE	MG/L	2,3		
1000801	NITROGEN, NITRATE&NITRITE	MG/L	0.1	LT	
009301	ARSENIC	MG/L	0.02	LT	
000501	NITROGEN, AMMONIA	MG/L	0.06		
DATE COM	PIFTED: 10/03/77				

DATE COMPLETED: 10/03/77

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES NYS DEPT.OF TRANSPORTATION, BLDG. 7A 1220 WASHINGTON AVENUE ALBANY, N.Y. 12226



RESULTS OF EXAMINATION (PAGE 2 OF 2)

AB ACCESSION NO: 02801 YR/MO/DAY/HR SAMPLE REC'D: 77/09/06/13

REPORTING LAB: 33 SYRACUSE LAB PROGRAM: 820 NYS DEPT. OF TRANSP. STATION (SOURCE) NO:

DRAINAGE BASIN: NY GAZETTEER NO: 3756 COUNTY: OSWEGO

COORDINATES: DEG ! "N, DEG ! "W

COMMON NAME INCL SUBWISHED: REST AREA N. OF CENTRAL SQUARE, RT. 81

EXACT SAMPLING POINT: WELL 24+NEW DOT
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL,
10/DAY/HR OF SAMPLING: FROM 00/00 TO 09/06/12

REPORT SENT TO: CO (1) RO (2) LPHE (2) LHO (0) FED (0) CHEM (0)

PARAMETER UNIT RESULT NOTATION
106501 C.O.D. MG/L 4. LT
100401 FLUORIDE, FREE MG/L 0.2

DEATE COMPLETED: 10/03/77

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES NYS DEPT. OF TRANSPORTATION, BLDG, 7A 1220 WASHINGTON AVENUE ALBANY, N.Y. 12226

SUBMITTED BY: HOFMANN



RESULTS OF EXAMINATION

(PAGE 1 OF 2)

AB ACCESSION NO: 02801 YR/MO/DAY/HR SAMPLE REC'D: 77/09/06/13

EPORTING LAB: 33 SYRACUSE LAB
ROGRAM: 820 NYS DEPT. OF TRANSP.
TATION (SOURCE) NO:
RAINAGE BASIN: NY GAZETTEER NO: 3756 COUNTY: OSWEGO
OORDINATES: DEG ' "N, DEG ' "W
OMMON NAME INCL SUBW'SHED: REST AREA N. OF CENTRAL SQUARE, RT. 81

YACT SAMPLING POINT: WELL 2A=NEW DOT

YPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL,

O/DAY/HR OF SAMPLING: FROM 00/00 TO 09/06/12

EPORT SENT TO: CO (1) RO (2) LPHE (2) LHO (0) FED (0) CHEM (0)

PARAMETER		UNIT	RESULT	NOTATION	
09701	CADMIUM	MG/L	0.002	LT	
09801	CHROMIUM	MG/L	0.01	LT	
10101	LEAD	MG/L	0.01	LT	
10001	IRON	MG/L	0.35		
10201	MANGANESE	MG/L	0.02	UT	
00100	COLOR (APPARENT)		.5,		
01900	PH (LABORATORY)		7.3		
01101	HARDNESS, TOTAL AS CACO3	MG/L	60.		
01001	CHLORIDE	MG/L	1.0		
00801	NITROGEN, NITRATE&NITRITE	MG/L	0.1	LT	
19301	ARSENIC	MG/L	0.02	LT	
00501	NITROGEN, AMMONIA	MG/L	0.02	LT	
NATE COMPL	ETED: 10/03/77	/			

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES NYS DEPT.OF TRANSPORTATION, BLDG. 7A 1220 WASHINGTON AVENUE ALBANY, N.Y. 12226



RESULTS OF EXAMINATION (PAGE 1 OF 1)

LAB ACCESSION NO: 26812 YR/MO/DAY/HR SAMPLE REC'D: 77/09/06/16

REPORTING LAB: 30 SYRACUSE LAB PROGRAM: 820 NYS DEPT. OF TRANSP. STATION (SOURCE) NO:

DRAINAGE BASIN: NY GAZETTEER NO: 3756 COUNTY: OSWEGO COUNTY: DEG ' "W

COMMON NAME INCL SUBW'SHED: U

EXACT SAMPLING POINT: WELL ZA-NEW DOT REST AREA-N, CENTRAL SQ.-81 TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL. 10/DAY/HR OF SAMPLING: FROM 00/00 TO 08/06/12

REPORT SENT TO: CO (1) RO (2) LPHE (2) LHO (0) FED (0) CHEM (0)

PARAMETER RESULT NOTATION UNIT 126800 STD.PLATE COUNT 48 HR /ML 880. 127000 COLIF. MF COL/100ML LT 1.

ATE COMPLETED: 9/09/77

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES NYS DEPT. OF TRANSPORTATION, BLDG. 7A 1220 WASHINGTON AVENUE ALBANY, N.Y. 12226

SUBMITTED BY: HOFMANN



RESULTS OF EXAMINATION (PAGE 1 OF 1)

LAB ACCESSION NO: 26811 YR/MO/DAY/HR SAMPLE RECID: 77/09/06/16

REPORTING LAB: 30 SYRACUSE LAB

PROGRAM: 820 NYS DEPT, OF TRANSP,

STATION (SOURCE) NO:

DRAINAGE BASIN: NY GAZETTEER NO: 3756 COUNTY: OSWEGO

COORDINATES: DEG ' "N, DEG ' "W

COMMON NAME INCL SUBWISHED: U

EXACT SAMPLING POINT: WELL 1=NEW DOT REST AREA=N. CENTRAL SQ.=81
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.
10/DAY/HR OF SAMPLING: FROM 00/00 TO 09/06/12
REPORT SENT TO: CO (1) RO (2) LPHE (2) LHO (0) FED (0) CHEM (0)

	PARAM	ETER		UNIT	RESULT	NOTATION
The same of the same	126800	STD.PLATE	COUNT 48 HR /ML		320.	EE
TROME SPREAM STATE	127000	COLIF. MF	COL/100ML		1.	LT

DATE COMPLETED: 9/09/77

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES NYS DEPT. OF TRANSPORTATION, BLDG. 7A 1220 WASHINGTON AVENUE ALBANY, N.Y. 12226

SUBMITTED BY: HOFMANN

HARING OF LABOURDIAL HOLDING .

STRUCTS OF STANSFERS

ACCESSION NOT SENTS ASSESSMENT SERVED STREETS TANGED TANGED TO ACCESS A

SUBSTINCT AND NAS DELL' OF THREE,

PATHAGE SATE TO THE THE TOTAL STR. STAN COUNTY .

D tolettenns your lenew home

THE OF SAMPLES OF SCHOOL SAMPLES SUPPLY OF STREET, STREET, STATES SUPPLY STREET, STREE

ONE SENT TOL CO ILL NO 121 CAME IS) THE INT THE LES INT CHEM IND

HOTTATOR TJUESH THU JAN SH TRUOS STAJRLOTE SOME

THE RESERVE ASSESSMENT OF THE PARTY NAMED IN



